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The process of claim 1 or 2, wherein the **lifting matrices** are each ... the **transformation matrix** into a **rotation matrix** and an auxiliary **matrix** which, ...

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2. [Fast integer fourier transform \(FIFT\) based on \*\*lifting matrices\*\* ...](#)

**L lifting matrix** defined in (I). 3. FAST INTEGER FOURIER TRANSFORM (FIFT).

ALGORITHM .... angle **rotation**, i.e.  $e^{j\theta}$  for. 0. E. R., whose real and imaginary ...

[ieeexplore.ieee.org/iel5/8570/27140/01205779.pdf?arnumber=1205779](http://ieeexplore.ieee.org/iel5/8570/27140/01205779.pdf?arnumber=1205779) - [Similar pages](#)  
by R Thamvichai - 2003 - [Cited by 1](#) - [Related articles](#)

3. [Reversible FFT and MDCT via \*\*matrix lifting\*\* - Acoustics, Speech ...](#)

versible **rotation**. We notice that a float **rotation** can be implemented via a 3-step

**lifting** .... Figure 1 Forward reversible **transform** via **matrix lifting**. ...

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## 4.

[Transforms and Fast Algorithms for Signal Analysis and Representations - Google Books Result](#)

by Quan Bi, Yonghong Zeng - 2004 - Technology & Engineering - 422 pages

Firstly, it is known in [4] that an order-2 **rotation matrix** or diagonal **matrix** with a unit determinant can be factored into **lifting matrices** and their ...

[books.google.com/books?isbn=081764279X](http://books.google.com/books?isbn=081764279X)...

5. [JSTOR: Complex Eigenvalues and Rotations: Are Your Students Going ...](#)

Since the **matrix**  $P$  is the standard **matrix** of the linear **transformation**  $T$  that sends the .... 0.86] and  $P = [2 \ 4]$  Then  $C$  is a **rotation matrix** for the angle 0 ...

[links.jstor.org/sici?sid=0746-8342\(199611\)27:3A5;3C378%3ACEARAY%3E2.0.CO%3B2-N](http://links.jstor.org/sici?sid=0746-8342(199611)27:3A5;3C378%3ACEARAY%3E2.0.CO%3B2-N) - [Similar pages](#)

by J Duemmel - 1996

6. [Worst-case error analysis of \*\*lifting\*\*-based fast DCT-algorithms](#)

Worst-case error analysis of **lifting**-based fast DCT-algorithms ... In this paper, we consider an integer-to-integer **transform** for  $(2 \times 2)$  **rotation matrices** ...

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## 7. [Triple Coordinate Transforms for Prediction of Falling Cylinder ...](#)

**Transformation** of into contains **rotation** and translation, Use of the F-coordinate system simplifies the calculations for the **lift** and drag forces and ...

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8.

## [Recent Advances in Computational Science and Engineering: ... - Google Books Result](#)

by H. P. Lee, K. Kumar, Institute of High ... - 2003 - Computers - 920 pages

Therefore, this **transform** can reduce signals' redundancy efficiently, and benefits data's lossless compression First, give two basic **matrices' lifting**: 1 ...

[books.google.com/books?isbn=1860943454...](#)

## 9. [Tekkotsu: Kinematics](#)

To find the inverse of a **rotation matrix**, you can just take the transpose (t()). However, to find the inverse of a full **transformation matrix**, ...

[www.cs.cmu.edu/~tekkotsu/Kinematics.html](#) - 28k - [Cached](#) - [Similar pages](#)

## 10. [\[PPT\] Adaptive Reversible Multiplication-Free Color Transforms](#)

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Apply a QR decomposition with Givens **rotation matrices**. Therefore, it is possible to implement any reversible N point **transform** using **lifting** steps ...

[scien.stanford.edu/2006projects/ee398/projects/presentations/YehYoon.ppt](#)

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Jun 4, 2008 ... XNA then does the **Matrix transformation** 3D -> 2D for me. ... Invert that, and you have T. In the case of **rotation matrices**, the inverse is ...

[www.eggheadcafe.com/software/aspnet/32319149/projecting-4d-points-into.aspx](http://www.eggheadcafe.com/software/aspnet/32319149/projecting-4d-points-into.aspx) - 24k  
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2. Phys. Rev. A 32, 1019 (1985): Barton and Shirley - Approximate ...

III may be summarized as Fourier **transformation**, Taylor-series expansion, .... We have  $[R(a, \theta, y)]^{-1} = R(-a, -\theta, -y)$  and the required **rotation matrix** ...

[link.aps.org/doi/10.1103/PhysRevA.32.1019](http://link.aps.org/doi/10.1103/PhysRevA.32.1019) - Similar pages  
 by JJ Barton - 1985 - Cited by 2 - Related articles - All 5 versions

3. EP1311975 Univ european software patent - A fast multiplierless ...

In the **matrix** format, we can represent the **transformation** of an input, x, ..... The **transform** replaces DCT **rotation** angles with a series of **lifting** steps ...

[gauss.ffii.org/PatentView/EP1311975](http://gauss.ffii.org/PatentView/EP1311975) - 56k - Cached - Similar pages

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Angles: THETA in xy-plane with axis of **rotation** z-axis, PSI in xz-plane ... Now, everything above concerned only the angles for the **transformation matrices** ...

[www.cs.bc.edu/~clote/ComputationalMolecularBiology/angles](http://www.cs.bc.edu/~clote/ComputationalMolecularBiology/angles) - 8k  
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5. Customizable triangular factorizations of **matrices**

Keywords: Triangular **matrix**; Triangular factorization; Reversible integer **transform**; **Rotation** by shears. 1. Introduction. As a classical method in numerical ...

[linkinghub.elsevier.com/retrieve/pii/S0024379503009029](http://linkinghub.elsevier.com/retrieve/pii/S0024379503009029) - Similar pages  
 by P Hao - 2004 - Cited by 9 - Related articles - All 7 versions

6. Using DLE In An Application « The Daily Logics

Feb 14, 2008 ... **Matrix** myMatrix = new **Matrix**().**Rotate**(45);. You get the idea. I know which way I'd rather do it. Furthermore, each of the DLE **transformation** ...  
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**matrices** (polar decomposition), it involves **lifting** the **matrices** to the ... the role of the ergodic **transformation** , and the homeomorphisms are the induced ...

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8. [doc] The forward integer **transform** used in the current H

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Fig 2. (a) Representation of a plane **rotation** by 3 **lifting** steps. (b) Inverse **transform**. Each **lifting** step is a biorthogonal **transform**, and its inverse also ...

ftp3.itu.ch/av-arch/video-site/0109\_San/VCEG-N24.doc - Similar pages  
by T Tran - Related articles - All 6 versions

9. newswhat.com [glscene.support]

**Rotation**, **Transformation** etc) \*starts\* (to store the old state, then). ... cursor and don't remove the **matrices** from the history until another operation is ...  
delphi.newswhat.com/geoxml/forumhistory/thread?groupname=glscene.  
support&messageid=b92n4f\$m8s\$1@talkto.net - 26k - Cached - Similar pages

10. CiteULike: Template matching using the parametric template vector ...

Jun 18, 2008 ... The merits of our approach are that it not only obtains **rotation** ... KW - **rotation** KW - scale KW - template KW - **transformation** KW - vector ...  
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